

CLAIMS

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claim 1. (cancelled)

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claim 2. (cancelled)

claim 3. (withdrawn) An electric circuit comprising:

10 a. an electrical input means whereby an independent electrical power charging source is capable of charging said circuit;

15 b. a first oscillator in electrical input communication with said electrical output means of said independent electrical power charging source, said first oscillator further having electrical output means;

c. a second oscillator in electrical input communication with the electrical output means of said independent electrical power charging source, said second oscillator further having electrical output means;

20 d. a least one capacitor having electrical input means and electrical output means, said electrical input means being in electrical communication with said output means of said independent electrical power charging source;

25 e. a timing circuit with electrical input means and electrical output means, said electrical input means being in electrical communication with said output means of said independent

electrical charging source;

f. an analog switch with electrical input means and electrical output means, said electrical input means being in electrical communication with said output means of said independent electrical power source;

g. a control and amplifier means with a first electrical input means, said first electrical input means being in electrical communication with said output means of said independent electrical power source, said control and amplifier means further having a second electrical input means, said second input means being in electrical communication with said output means of said first oscillator, and a third electrical input means, said third input means being in electrical communication with said output means of said second oscillator, and said control and amplifier means being in electrical functional communication with said analog switch;

h. a proximity sensor with electrical input means in electrical communication with said output means of said independent electrical power charging source, said proximity sensor being in functional communication with said timing circuit through its electrical and functional connection with the members of said pair of electrodes, and with electrical communication with one member of a pair of electrodes;

i. at least one pair of electrodes the ground member of said pair being in electrical communication with said proximity sensor and the other member of said pair being in electrical communication with the electrical output flowing through said

analog switch.

claim 4. (cancelled)

5 claim 5. (cancelled)

claim 6. (amended) The wireless, sub-lethal projectile of
claim 4 16 wherein said electrodes and said cylindrical body are
fabricated from material that will not penetrate material such as
10 the exterior skin layer of commercial aircraft.

claim 7. (withdrawn) A system to provide perimeter security
to an area comprising:

a. a devise comprising an outer sleeve with an attached
15 base, said outer sleeve being positioned in a silo, an inner sleeve
that is vertically moveable when positioned in the outer sleeve, a
plurality of barrel elements each of said barrel elements having an
air tight cap and each of said barrel elements being removably
attached to said inner sleeve, and a source of pneumatic power
20 connected to each of said barrel elements;

b. a wireless projectile that forms a near air-tight
seal when said projectile is loaded into one of said barrel
elements, said wireless projectile being capable of penetrating the
clothing and skin of a target individual, of adhering to said
25 target individual, and of delivering a disabling electric shock to
said target individual;

c. a means to trigger each of said plurality of barrel elements.

claim 8. (withdrawn) A cartridge adapted to being discharged
5 from a weapon comprising;

a. a sub-lethal, wireless projectile;

b. a cylindrical, cartridge casing made from a material
with a front end, a back end, and a wall defining the longitudinal
core of said cylindrical, cartridge casing, wherein said sub-
10 lethal, wireless projectile is positioned at least partially in said
front end of said cylindrical cartridge case for discharge from
said weapon;

c. an amount of explosive propellant placed in said
cylinder behind said wireless, sub-lethal projectile and adapted
15 with wadding;

d. a primer device positioned in the rear wall of said
cylindrical case to ignite said explosive propellant.

claim 9. (withdrawn) The cartridge of claim 8 wherein said
20 sub-lethal projectile is adapted for discharge from a weapon with
a smooth bore barrel.

claim 10. (withdrawn) The cartridge of claim 8 wherein said
sub-lethal projectile is adapted for discharge from a weapon with
25 a rifled barrel.

claim 11.(withdrawn) The cartridge of claim 8 wherein said sub-lethal projectile is adapted to deliver a stunning physical blow in addition to a electrical shock.

5 claim 12.(withdrawn) A device to charge and maintain charge of a wireless, sub-lethal projectile, when said sublethal projectile is positioned in a cartridge, comprising:

- a. a cartridge holder;
- b. a circuit system to connect individual cartridges is
- 10 said cartridge holder to a power source; and
- c. a power source.

claim 13.(withdrawn) The device of claim 12 wherein said cartridge holder is a cartridge magazine adapted for rapid

15 disconnection from the power source and loading into a weapon.

claim 14.(withdrawn) The device of claim 14 wherein said power source is portable thereby allowing the entire device to be portable and adapted to be worn by an individual.

20 claim 15.(cancelled)

claim 16 (new) A wireless projectile comprising:

- a. an electric circuit capable of producing a first,
- 25 carrier frequency of from 250 to 500 kHz and further capable of concurrently producing a second frequency of 15 to 50 Hz; said

electric circuit further being capable of regulating said first carrier frequency to deliver discharges of from 2 to 45 pulses per second with an initial discharge of from 2 to 8 seconds duration, and at least 2 subsequent discharges of at least 3 seconds duration each, said electric circuit also being adapted to receiving and storing electrical energy supplied at 1.5 volts to 15 volts by an independent power source, and said electric circuit terminating in at least one pair of electrodes, wherein each member of said at least one pair of electrodes is capable of penetrating the skin of a target individual and capable of delivering a disabling electric shock to said target individual, said disabling shock being produced by charged elements of said electric circuit and being from about 250 volts to 400 volts and from 3 amps to 15 amps, and said disabling shock being transmitted concurrently by said first carrier frequency and by said second frequency at a pulse rate of from 2 to 45 pulses per second, and said electric circuit being activated by a proximity sensor and analog switch in electrical communication with said members of said at least one pair of electrodes; and

b. a projectile comprising a body made from a material and a longitudinal inner core defined by the outer wall of said projectile body, wherein said longitudinal core is capable of receiving and positioning said electric circuit, said projectile having a length, a diameter, a distal end and a proximal end and said projectile body further being adapted to being inserted into a casing to form a cartridge.